Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/12/2017 04/12/2017	Bob Duffey

LM Start		Rating **	Α	Issue No. 9				
LM End		Issue Type +	Ma	Location * WS				
Category Earthen Levee				GPS La	atitude	e/Longitude		
Calegory			Start		End			
Item	nce		0		0			
пеш	Manuals				0		0	
DWR ID DWR_NA0020_01_s _ 2013_9								
		Comn	nent Cod	le				
		Inspecto	or Comm	nent				
The LMA h	nas the O8	M manuals.						

No Photos

LM Start		Rating **	Α	Issue No.		10		
LM End		Issue Type +	Ма	Location *	WS			
Category	GPS La	atituc	le/Longitude					
Calegory				Start		End		
Item		cy Supplies &			0		0	
пеш	Equipmer	nt			0		0	
DWR ID	DWR_NA0	020_01_s _ 201	3_10					
		Comn	nent Cod	de				
	Inspector Comment							
The LMA h	The LMA has adequate flood fight supplies and equipment.							

No Photos

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/12/2017 04/12/2017	Bob Duffey

LM Start		Rating **	Α	Issue No.		11		
LM End		Issue Type +	Ма	Location *		WS		
Catagoni Earthen Levee				GPS La	atitud	le/Longitude		
Category				Start		End		
Item	Flood Pre	lood Preparedness & Training			0		0	
пеш					0		0	
DWR ID	DWR_NA0	020_01_s _ 201	3_11					
		Comn	nent Cod	le				
		Inspecto	or Comm	ent				
The LMA c	ompleted	flood fight trai	ning in 2	016.				

No Photos

LM Start	0.00	Rating **	М	Issue No.		5	
LM End	0.12	Issue Type +	Ma	Location *		LS	
Category	Earthen L	GPS Latitude/Longitude					
Calegory				Start		End	
Item	Vegetatio	n		39.1715	77°	39.171507	0
item				-121.7600	19°	-121.757773	0
DWR ID	DWR_NA0020_01_s _ 2012_5						
	Comment Code						

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Photo 1 of 1 : SP_2017_ST0020_213_5_20170315_00006.jpg



View of the vegetation along the landside toe.

LM Start	0.00	Rating **	М	Issue No.		7		
LM End	0.28	Issue Type +	Ма	Location *	CR			
Category	Category Earthen Levee				GPS Latitude/Longitude			
Calegory			Start		End			
Item	Vegetatio	n		39.1715	77 °	39.171475		
пеш			-121.7600	19°	-121.754852			
DWR ID	DWR_NA0	020_01_s _ 201	2_7					

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Vegetation along the levee crown and waterside slope.



View of the vegetation along the levee crown and waterside.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/12/2017 04/12/2017	Bob Duffey

LM Start	0.43	Rating **	М	Issue No.		14		
LM End	0.43	Issue Type +	Ma	Location *		WS		
Category	evee	GPS La	atitud	le/Longitude				
Category				Start		End		
Item	Encroach	ments		39.1714	22°	39.171422 °		
Item	-121.751978° -121.751978							
DWR ID DWR_ST0020_01_f _ 2016_14								
		Comn	nent Cod	de				
TR : Tree	or limb							
		Inspecto	or Comm	nent				
Remove th	ne tree limb	o from the wat	erside.					



View of a fallen limb.

LM Start	0.51	Rating **	М	Issue No.	25			
LM End	0.83	Issue Type +	Ma	Location *	LS			
Category Earthen Levee				GPS Latitude/Longitude				
Category			Start		End			
Item	Trim / Thi	n Trees		39.17139	92°	39.171317°		
пеш				-121.75047	78°	-121.744545 °		
DWR ID	DWR_ST0	0020_01_f _ 2016_25						
		0		l_				

Comment Code

T2: Thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment

Olleanders are partially blocking visibility and access.

No Photos

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/12/2017 04/12/2017	Bob Duffey

LM Start	0.62	Rating **	U	Issue No.		4	
LM End	0.65	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion /	Bank Caving		39.1712	92°	39.171232 °	
пеш			-121.748868 °		-121.748175 °		
DWR ID DWR_NA0020_01_s _ 2012_4							
		Comn	nent Cod	le			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
		Inspecto	or Comm	nent			
Repair the	erosion al	ong the concr	ete ditch	1.			

0.62

0.65

LM Start

LM End

11/06/2015

Photo 1 of 2: SP_2017_ST0020_213_4_20170315_00004.jpg

View the erosion along the concrete ditch.

 Rating **
 U
 Issue No.
 4 (cont)

 Issue Type +
 Ma
 Location *
 WS

Photo 2 of 2: SP_2017_ST0020_213_4_20170315_00005.jpg



Another view the erosion along the concrete ditch.

LM Start	1.11	Rating **	М	Issue No.	18		
LM End	1.28	Issue Type +	Ма	Location *	LS		
Category	evee	GPS La	atitud	le/Longitude			
Category			Start		End		
	Item Trim / Thin Trees			39.171283°		39.171243 °	
пеш				-121.739315 °		-121.736312 °	
DWR ID	DWR_ST0	020_01_f _ 2016	6_18				
		Comn	nent Cod	le			
T1 : Trim ti	rees to at I	east five feet	above g	round level.			
Inspector Comment							



View of the trees blocking visibility.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.33	Rating **	М	Issue No.		22	
LM End	1.33	Issue Type +	Ma	Location *		WS	
Cotogony	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Erosion / Bank Caving			39.1712	18°	39.171218°	
item						° -121.735258	
DWR ID DWR_ST0020_01_f _ 2016_22							
		Comn	nent Coo	le			
E1 : Note	and monito	or erosion site					
		Inspecto	or Comm	nent			



View of the erosion along the bank.

LM Start	1.36	Rating **	М	Issue No.		24	
LM End	1.36	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory	Category			Start		End	
Item	Erosion / Bank Caving			39.171220°		39.171220°	
item				-121.734730 °		-121.734730 °	
DWR ID	DWR_ST0	020_01_f _ 2016	6_24				
Comment Code							
E1 : Note and monitor erosion site.							

Inspector Comment

Photo 1 of 1: SP_2017_ST0020_213_24_20170315_00018.jpg

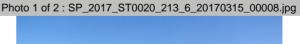


View of the erosion along the bank.

LM Start	1.65	Rating **	U	Issue No.	6		
LM End	1.65	Issue Type +	Ма	Location *	WS		
Rivers, Channels &			GPS Latitude/Longitude				
Calegory	Designated Floodways			Start		End	
Item	Erosion /	Erosion / Bank Caving			32°	39.171132 °	
Item				-121.729312 °		-121.729312 °	
DWR ID DWR_NA0020_01_s _ 2012_6							
Comment Code							

Inspector Comment

Sutter Yard needs to repair the erosion before winter.





Repair the erosion along the waterside slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.65	Rating **	U	Issue No.		6 (cont)	
LM End	1.65	Issue Type +	Ma	Location *		WS	
Category	Rivers, Ch			GPS La	atitud	e/Longitude	
Calegory	Designate	d Floodways		Start		End	
Item	Erosion / Bank Caving			39.1711	32°	39.171132°	
пеш				-121.7293	12 °	-121.729312°	
DWR ID DWR_NA0020_01_s _ 2012_6							
		Comn	nent Cod	le			
		Inspecto	or Comm	nent			
Sutter Yard needs to repair the erosion before winter.							

Photo 2 of 2 : SP_2017_ST0020_213_6_20170413_00023.jpg



Repair the erosion along the waterside slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

		D-+: **		Innua Na				
LM Start	0.00	Rating **	М	Issue No.		11		
LM End	0.26	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Vegetatio	n		39.1711	16°	39.171101°		
пеш			-121.7265	01 °	-121.721857°			
DWR ID DWR_NA0020_02_s _ 2012_11								
		Comn	nent Coo	le				
V1 : Contro easements		grass and wee	ds on th	e levee slo	oes a	and		
		Inspecto	or Comm	nent				



View of the annual grass along the landside slope.

LM Start	0.03	Rating **	М	Issue No.		24		
LM End	0.25	Issue Type +	Ма	Location *		WS		
Category	evee	GPS La	atitud	le/Longitude				
Category				Start		End		
Item	Vegetatio		39.171152 °		39.171160°			
пеш			-121.7259	37°	-121.721673 °			
DWR ID	DWR_ST0	020_02_f _ 2016	6_24					
		Comn	nent Cod	le				
V1 : Control annual grass and weeds on the levee slopes and easements.								
	Inspector Comment							



View of the annual grass along the waterside slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	0.29	Rating **	М	Issue No.		31	
LM End	0.29	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory			Start		End		
Item	Trim / Thi	39.171008°		39.171008°			
пеш				-121.721025 °		-121.721025 °	
DWR ID	DWR ID DWR_ST0020_02_f _ 2016_31						
		Comn	nent Cod	le			
T1: Trim t	rees to at	least five feet	above g	round level			
Inspector Comment							



View of the overgrown trees blocking visibility and access.

0.53	Rating **	М	Issue No.		28	
0.53	Issue Type +	Ма	Location *		WS	
Earthen L	evee		GPS L	atitud	e/Longitude	
			Start		End	
Encroach		39.1710	28°	39.171028°		
			-121.716475 °		-121.716475 °	
DWR_ST0	020_02_s _ 201	6_28				
	Comn	nent Cod	de			
S						
	Inspecto	or Comm	nent			
tree clippin	igs on w/s cro	wn.				
	0.53 Earthen L Encroach DWR_ST0	0.53 Issue Type + Earthen Levee Encroachments DWR_ST0020_02_s _ 201 Comms Inspector	0.53 Issue Type + Ma Earthen Levee Encroachments DWR_ST0020_02_s _ 2016_28 Comment Cods	0.53 Issue Type + Ma Location * Earthen Levee GPS L Start Start Encroachments 39.1710 -121.7164 DWR_ST0020_02_s _ 2016_28 Comment Code S Inspector Comment	0.53 Issue Type + Ma Location * Earthen Levee GPS Latitud Start 39.171028 ° -121.716475 ° -121.716475 ° DWR_ST0020_02_s _ 2016_28 Comment Code S Inspector Comment	



View of the tires along the waterside berm.

LM Start	0.55	Rating **	М	Issue No.		2	
LM End	1.42	Issue Type +	Ма	Location *	LS		
Category	Catagoria Earthen Levee				titud	e/Longitude	
Calegory				Start		End	
Item	Vegetatio	n		39.1710	02 °	39.170770°	
item				-121.7162	93 °	-121.699987 °	
DWR ID	DWR ID DWR_NA0020_02_s _ 2012_2						
		Comn	nent Cod	le			
V1 : Contro easements		rass and wee	ds on th	e levee slop	es a	and	
Inspector Comment							
Remove the vegetation from landside slopes.							



View of the vegetation on landside slope.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	0.55	Rating **	М	Issue No.	2 (cont)		
LM End	1.42	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Vegetatio	n		39.1710	02 °	39.170770°	
пеш			-121.7162	93 °	-121.699987 °		
DWR ID DWR_NA0020_02_s _ 2012_2							
		Comn	nent Cod	de			
V1 : Contro		grass and wee	ds on th	e levee slo	oes a	and	
Inspector Comment							
Remove the vegetation from landside slopes.							



View of the vegetation on both slopes.

LM Start	0.65	Rating **	М	Issue No.		29	
LM End	0.65	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee	GPS Latitude/Longitude				
Calegory				Start		End	
Item	Encroach	ments		39.1710	33 °	39.171033 °	
пеш	-121.714398° -121.714398						
DWR ID DWR_ST0020_02_s _ 2016_29							
	Comment Code						

Comment Cod

DE : Debris

Inspector Comment

Mattress and tree clippings on landside.

No Photos

LM Start	0.68	Rating **	М	Issue No.		22	
LM End	1.50	Issue Type +	Ma	Location *		WS	
Category	Earthen L	.evee	GPS La	titud	e/Longitude		
Calegory	Category					End	
Item	Vegetatio	n		39.17096	7°	39.170458	0
пеш	-121.713828 ° -121.6						
DWR ID	DWR ID DWR_ST0020_02_s _ 2017_22						
	Comment Code						

Comment Cod

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Remove the vegetation from the waterside slope.

Photo 1 of 1: SP_2017_ST0020_214_22_20170413_00046.jpg



View of the vegetation on the waterside slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.43	Rating **	М	Issue No.		3	
LM End	1.52	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroachments			39.1707	82°	39.170865 °	
item				-121.700167°		-121.698165 °	
DWR ID DWR_NA0020_02_s _ 2012_3							
		Comn	nent Cod	de			
DE : Debri	s						
		Inspecto	or Comm	nent			
Remove th	ne broken o	concrete.					

LM Start	1.43	Rating **	M	Issue No.	3 (cont)
LM End	1 52	Issue Type +	Ma	Location *	LS



View of the piles of broken concrete.

Photo 2 of 2: SP_2017_ST0020_214_3_20170315_00003.jpg



View of the pile of broken concrete.

LM Start	1.54	Rating **	М	Issue No.		4	
LM End	2.01	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Erosion /	Bank Caving		39.1708	00°	39.170732 °	
пеш				-121.698105 °		-121.689082 °	
DWR ID DWR_NA0020_02_s _ 2012_4							
		Comn	nent Cod	le			
E1 : Note a	and monito	or erosion site					
			_				
		Inspecto	or Comm	nent			
Monitor the erosion along the waterside slope.							

Photo 1 of 2: SP_2017_ST0020_214_4_20170315_00004.jpg



View of the erosion along the waterside slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	1.54	Rating **	М	Issue No.		4 (cont)
LM End	2.01	Issue Type +	Ма	Location *		WS
Catagony	Earthen L	evee		GPS La	atitud	le/Longitude
Category				Start		End
Item	Erosion /	Bank Caving		39.1708	° 00	39.170732°
Пеш				-121.6981	-121.698105 ° -121.689	
DWR ID DWR_NA0020_02_s _ 2012_4						
		Comn	nent Cod	de		
E1 : Note a	and monito	or erosion site				
			_			
		Inspecto	or Comm	nent		
Monitor the	e erosion a	along the wate	rside slo	pe.		



View of the erosion along the waterside slope.

LM Start	2.11	Rating **	С	Issue No.		6	
LM End	2.36	Issue Type +	Ma	Location *		LS	
Category Earthen Levee			GPS Latitude/Longitude				
			Start		End		
Itom	ltem Vegetation			39.170515°		39.170518°	
пеш				-121.687342 °		-121.682658 °	
DWR ID	DWR_ST0	020_02_f _ 2016	6_6				
	Comment Code						
V/4 . Carata	M. Cantral annual mana and woods on the laws of and						

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

The vegetation was removed from the landside slope.

Nic	ıPŀ	note	2

LM Start	2.52	Rating **	М	Issue No.		23		
LM End	3.02	Issue Type +	Ма	Location *		LS		
Catagony	Catagoni Earthen Levee			GPS Latitude/Longitude				
Calegory	Category			Start		End		
Item	Vegetatio	n		39.170558		39.170615	0	
пеш				-121.6797	00°	-121.670335	0	
DWR ID	DWR_ST0	020_02_s _ 201	7_23					
	Comment Code							

V1 : Control annual grass and weeds on the levee slopes and easements

Inspector Comment

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/12/2017 04/12/2017	Bob Duffey

LM Start	2.71	Rating **	M	Issue No.		10
LM End	2.71	Issue Type +	Ma	Location *		LS
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			39.1705	48 °	39.170548°
				-121.6759	70°	-121.675970°
DWR ID	DWR_NA0020_02_s _ 2012_10					
Comment Code						
MA: Material						
Inspector Comment						
Remove the lumber, garbage and equipment from the landside toe.						



View of the material, garbage, and equipment along the landside toe

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement